

APPLICANT FACSIMILE OF FORM PTO-144B  
REV 7-80

U.S. DEPARTMENT OF  
COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO

BGP-151CPCN

SERIAL NO.

09/234,290

**LIST OF PUBLICATIONS CITED BY APPLICANT**  
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MAY 10 1999

APPLICANT

Linda C. Burkly

FILING DATE

January 20, 1999

GROUP

1641



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE
Gu	AA	07/821,768	-	Lobb			01/13/92
	AB	08/004,798	-	Lobb			01/12/93
	AC	4,833,092	05/89	Geysen	436	501	
	AD	4,879,313	11/89	Tjoeng et al.	514	616	
	AE	4,952,562	08/90	Klein et al.	514	018	
	AF	5,053,392	10/91	Klein et al.	514	018	
	AG	5,053,393	10/91	Klein et al.	514	018	
✓	AH	5,061,693	10/91	Nutt et al.	514	017	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
Gu	AI	WO 93/08823	05/93	PCT			
	AJ	WO 93/13798	07/93	PCT			
✓	AK	WO 93/15764	08/93	PCT			

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Gu	AL	Barlow and Like (1992) "Anti-CD2 Monoclonal Antibodies Prevent Spontaneous and Adoptive Transfer of Diabetes in the BB/Wor Rat" <i>Amer. J. Pathol.</i> <u>141</u> : 1043-1051;
	AM	Baron et al. (1993) "Surface Expression of $\alpha 4$ Integrin by CD4 T Cells is Required for Their Entry into Brain Parenchyma" <i>J. Exp. Med.</i> <u>177</u> : 57-68;
	AN	Barton et al. (1989) "The Effect of Anti-Intercellular Adhesion Molecule-1 on Phorbol-Ester-Induced Rabbit Lung Inflammation" <i>J. Immunol.</i> <u>143</u> : 1278-1282;
	AO	Boerner et al. (1991) "Production of Antigen-Specific Human Monoclonal Antibodies from In Vitro-Primed Human Splenocytes" <i>J. Immunol.</i> <u>147</u> : 86-95;
	AP	Burkly et al. (1991) "Signaling by Vascular Cell Adhesion Molecule-1 (VCAM-1) Through VLA4 Promotes CD3-Dependent T Cell Proliferation" <i>Eur. J. Immunol.</i> <u>21</u> : 2871-2875;
	AQ	Carlos et al. (1990) "Vascular Cell Adhesion Molecule-1 Mediates Lymphocyte Adherence to Cytokine-Activated Cultured Human Endothelial Cells" <i>Blood</i> <u>75</u> (5): 965-970;
	AR	Castanõ and Eisenbarth (1990) "Type I Diabetes: A Chronic Autoimmune Disease of Human, Mouse, and Rat" <i>Annu. Rev. Immunology</i> <u>8</u> : 647-679;
✓	AS	Devlin et al. (1990) "Random Peptide Libraries: A Source of Specific Protein Binding Molecules" <i>Science</i> <u>249</u> : 404-406;
	AT	Dosquet et al. (1992) "Molecular mechanism of blood monocyte adhesion to vascular endothelial cells" <i>Nouvelle Revue Française D'Hématologie</i> <u>34</u> (Suppl.): S55-S59;

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6/8/90

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APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80			U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO <b>BGP-151CPCN</b>	SERIAL NO. <b>09/234,290</b>
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<i>MAY 10 1999</i> SEARCHED INDEXED SERIALIZED FILED U.S. PATENT AND TRADEMARK OFFICE			FILING DATE <b>January 20, 1999</b>	GROUP <b>1641</b>	

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

<i>Suy</i>	BA	Dustin et al. (1986) "Induction by IL-1 and Interferon- $\gamma$ Tissue Distribution, Biochemistry, and Function of a Natural Adherence Molecule (ICAM-1)" <i>J. Immunol.</i> <u>137</u> : 245-254;
	BB	Eisenbarth (1987) "Type I Diabetes: Clinical Implication of Autoimmunity" <i>Hosp. Prac.</i> <u>22</u> : 167-184;
	BC	Eisenbarth (1986) "Type I Diabetes Mellitus - A Chronic Autoimmune Disease" <i>New Engl. J. Med.</i> <u>314</u> : 1360-1368;
	BD	Ellices et al. (1990) "VCAM-1 on Activated Endothelium Interacts with the Leukocyte Integrin VLA4 at a Site Distinct from the VLA4/Fibronectin Binding Site" <i>Cell</i> <u>60</u> : 577-584;
	BE	Federlin and Becker (1990) "Specific Therapeutic Attempts in Experimental and Clinical Type-I Diabetes" <i>Klin. Wochenschr.</i> <u>68</u> : (Suppl. XXI) 38-43;
	BF	Foulis et al. (1986) "The Histopathology of the Pancreas in Type I (Insulin-Dependent) Diabetes Mellitus: A 25-Year Review of Deaths in Patients Under 20 Years of Age in the United Kingdom" <i>Diabetologia</i> <u>29</u> : 267-274;
	BG	Fujita et al. (1982) "Lymphocytic Insulitis in a 'Non-obese Diabetic (NOD)' Strain of Mice: An Immunohistochemical and Electron Microscope Investigation" <i>Biomed. Res.</i> <u>3</u> : 429-443;
	BH	Harada and Makino (1986) "Suppression of Overt Diabetes in NOD Mice by Anti-Thymocyte Serum or Anti-Thy 1.2 Antibody" <i>Exp. Anim.</i> <u>35</u> : 501-504;
	BI	Harding et al. (1992) "CD28-Mediated Signalling Co-Stimulates Murine T Cells and Prevents Induction of Energy in T Cell Clones" <i>Nature</i> <u>356</u> : 607-609;
	BJ	Harris and Emery (1993) "Therapeutic Antibodies - The Coming of Age" <i>Tib. Tech.</i> <u>11</u> : 42-44;
	BK	Hemler et al. (1987) "Characterization of the Cell Surface Heterodimer VLA4 and Related Peptides" <i>J. Biol. Chem.</i> <u>262</u> : 11478-11485;
	BL	Hemler et al. (1990) "Structure of the Integrin VLA-4 and its Cell-Cell and Cell-Matrix Adhesion Functions" <i>Immunol. Rev.</i> <u>114</u> : 45-65;
	BM	Hession et al. (1992) "Cloning of Murine and Rat Vascular Cell Adhesion Molecule-1" <i>Biochem. Biophys. Res. Commun.</i> <u>183</u> : 163-169;
	BN	Holzmann et al. (1989) "Identification of a Murine Peyer's Patch-Specific Lymphocyte Homing Receptor as an Integrin Molecule with a Chain Homologous to Human VLA-4 $\alpha$ " <i>Cell</i> <u>56</u> : 37-46;
	BO	Hooks et al. (1991) "Muromonab CD-3: A Review of Its Pharmacology, Pharmacokinetics, and Clinical Use in Transplantation" <i>Pharmacology</i> <u>11</u> (1) 26-37;
	BP	Huang and Stollar (1991) "Construction of Representative Immunoglobulin Variable Region cDNA Libraries from Human Peripheral Blood Lymphocytes Without In Vitro Stimulation" <i>J. Immunol. Methods</i> <u>141</u> : 227-236;
	BQ	Hutchings et al. "Transfer of Diabetes in Mice Prevented by Blockade of Adhesion-promoting Receptor on Macrophages" <i>Nature</i> <u>348</u> : 639-642;
	BR	Issekutz (1991) "Inhibition of In Vivo Lymphocyte Migration to Inflammation and Homing to Lymphoid Tissues by the TA-2 Monoclonal Antibody - A Likely Role for VLA-4 in Vivo" <i>J. Immunol.</i> <u>147</u> : 4178-4184;
	BS	Issekutz and Issekutz (1991) "T Lymphocyte Migration to Arthritis Joints and Dermal Inflammation in the Rat: Differing Migration Patterns and the Involvement of VLA-4" <i>Clinical Immunol. and Immunopathol.</i> <u>61</u> : 436-447;

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EXAMINER: <i>J. C. Burkly</i>	Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<i>See</i>	CA	Jones et al. (1986) "Replacing the Complementarity-Determining Regions in a Human Antibody with Those from a Mouse" <i>Nature</i> <u>321</u> : 522-525;
	CB	Kirkham et al. (1992) "Chimeric CD7 Monoclonal Antibody Therapy in Rheumatoid Arthritis" <i>J. Rheum.</i> <u>19</u> (9): 1348-1352;
	CC	Knox et al. (1991) "Observations on the Effect of Chimeric Anti-CD4 Monoclonal Antibody in Patients with Mycosis Fungoides" <i>Blood</i> <u>77</u> (1): 20-30;
	CD	Kohler and Milstein (1975) "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity" <i>Nature</i> <u>265</u> : 495-497;
	CE	Koike et al. (1987) "Preventive Effect of Monoclonal Anti-L3T4 Antibody on Development of Diabetes in NOD Mice" <i>Diabetes</i> <u>36</u> : 539-541;
	CF	Larson and Springer (1990) "Structure and Function of Leukocyte Integrins" <i>Immunol. Rev.</i> <u>114</u> : 181-217;
	CG	Like et al. (1986) "Prevention of Diabetes in Biobreeding/Worchester Rats with Monoclonal Antibodies that Recognize T Lymphocytes or Natural Killer Cells" <i>J. Exp. Med.</i> <u>164</u> : 1145-1159;
	CH	Lobb (1992) "Integrin-Immunoglobulin Superfamily Interactions in Endothelial-Leukocyte Adhesion" in <u>Adhesion: Its Role in Inflammatory Disease</u> (J.M. Harlan and D.Y. Liu, eds., New York: W. H. Freeman) 1-18;
	CI	Makino et al. (1986) "Absence of Insulitis and Overt Diabetes in Athymic Nude Mice with NOD Genetic Background" <i>Exp. Anim.</i> <u>35</u> : 495-498;
	CJ	Miller, B. et al. (1993) "Specific Interaction of Lymphocyte Function-associated Antigen 3 with CD2 Can Inhibit T Cell Responses" <i>J. Exp. Med.</i> <u>178</u> : 211-222;
	CK	Miller, G. et al. (1988) "Both the Lyt-2 <sup>+</sup> and L3T4 <sup>+</sup> T Cell Subsets are Required for the Transfer of Diabetes in Nonobese Diabetic Mice" <i>J. Immunol.</i> <u>140</u> : 52-58;
	CL	Miyake et al. (1991) "Evidence for a role of the integrin VLA-4 in Lympho-hemopoiesis" <i>J. Exp. Med.</i> <u>173</u> : 599-607;
	CM	Moingeon et al. (1989) "The Structural Biology of CD2" <i>Immunol. Rev.</i> <u>111</u> : 111-144;
	CN	Moreland et al. (1993) "Use of a Chimeric Monoclonal Anti-CD4 Antibody in Patients with Refractory Rheumatoid Arthritis" <i>Arthritis and Rheumatism</i> <u>36</u> (3): 307-318;
	CO	Nomikos et al. (1986) "Combined Treatment with Nicotinamide and Desferrioxamine Prevents Islet Allograft Destruction in NOD Mice" <i>Diabetes</i> <u>35</u> : 11302-11304;
	CP	Orlandi et al. "Cloning Immunoglobulin Variable Domains for Expression by the Polymerase Chain Reaction" <i>Proc. Natl. Acad. Sci. USA</i> <u>86</u> : 3833-3837;
	CQ	Osborn (1990) "Leukocyte Adhesion to Endothelium in Inflammation" <i>Cell</i> <u>62</u> : 3-6;
	CR	Osborn et al. (1989) "Direct Expression Cloning of Vascular Cell Adhesion Molecule 1, a Cytokine-Induced Endothelial Protein That Binds to Lymphocytes" <i>Cell</i> <u>59</u> : 1203-1211;
	CS	Persson et al. (1991) "Generation of Diverse High-Affinity Human Monoclonal Antibodies by Repertoire Cloning" <i>Proc. Natl. Acad. Sci. USA</i> <u>88</u> : 2432-2436;
	CT	Pulido et al. (1991) "Functional Evidence for Three Distinct and Independently Inhibitable Adhesion Activities Mediated by the Human Integrin VLA-4" <i>J. Biol. Chem.</i> <u>266</u> (16): 10241-10245;
<i>CU</i>	CU	Queen et al. "A Humanized Antibody that Binds to the Interleukin 2 Receptor" <i>Proc. Natl. Acad. Sci. USA</i> <u>86</u> : 10029-10033;

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*6/8/99*

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## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

SA	DA	Rice et al. (1990) "Inducible Cell Adhesion Molecule 110 (INCAM-110) Is An Endothelial Receptor for Lymphocytes - A CD11/CD18-Independent Adhesion Mechanism" <i>J. Exp. Med.</i> <u>171</u> : 1369-1374;
	DB	Rice et al. (1991) "Vascular and Nonvascular Expression of INCAM-110" <i>Am. J. Path.</i> <u>138</u> : 385-393;
	DC	Riechmann (1988) "Reshaping Human Antibodies for Therapy" <i>Nature</i> <u>332</u> : 323-327;
	DD	Rudd et al. (1989) "Molecular Interactions, T-Cell Subsets, and a Role of the CD4/CD8:p56 <sup>lck</sup> Complex in Human T-Cell Activation" <i>Immunol. Rev.</i> <u>111</u> : 225-266;
	DE	Sanchez-Madrid et al. (1986) "VLA-3: A Novel Polypeptide Association Within the VLA Molecular Complex: Cell Distribution and Biochemical Characterization" <i>Eur. J. Immunol.</i> <u>16</u> : 1343-1349;
	DF	Scott and Smith (1990) "Searching for Peptide Ligands with an Epitope Library" <i>Science</i> <u>249</u> : 386-390;
	DG	Shimizu et al. (1991) "Four Molecular Pathways of T Cell Adhesion to Endothelial Cells: Roles of LFA-1, VCAM-1 and ELAM-1 and Changes in Pathway Hierarchy Under Different Activation Conditions" <i>J. Cell Biol.</i> <u>113</u> : 1203-1212;
	DH	Shimizu et al. (1990) "Roles of Adhesion Molecules in T-Cell Recognition: Fundamental Similarities Between Four Integrins on Resting Human T Cells (LFA-1, VLA-4, VLA-5, VLA-6) in Expression, Binding and Costimulation" <i>Immunol. Rev.</i> <u>114</u> : 109-143;
	DI	Shizuru et al. (1988) "Immunotherapy of the Nonobese Diabetic Mouse: Treatment with an Antibody to T-Helper Lymphocytes" <i>Science</i> <u>240</u> : 659-662;
	DJ	Voorbij et al. (1989) "Dendritic Cells and Scavenger Macrophages in Pancreatic Islets of Prediabetic BB Rats" <i>Diabetes</i> <u>35</u> : 1623-1629;
	DK	Waldmann (1991) "Monoclonal Antibodies in Diagnosis and Therapy" <i>Science</i> <u>252</u> : 1657-1661;
	DL	Wayner et al. (1989) "Identification and Characterization of the T Lymphocyte Adhesion Receptor for an Alternative Cell Attachment Domain (CS-1) in Plasma Fibronectin" <i>J. Cell Biol.</i> <u>109</u> : 1321-1330;
	DM	Yang et al. (1993) "Inhibition of Insulitis and Prevention of Diabetes in Nonobese Diabetic Mice by Blocking L-selectin and Very Late Antigen 4 Adhesion Receptors" <i>PNAS USA</i> <u>90</u> : 10499-10498;
	DN	Yang et al. (1994) "A predominant role of integrin $\alpha_4$ in the spontaneous development of autoimmune diabetes in nonobese diabetic mice" <i>PNAS USA</i> <u>91</u> : 12604-12608;
	DO	Yednock et al. (1992) "Prevention of Experimental Autoimmune Encephalomyelitis by Antibodies Against $\alpha 4\beta 1$ Integrin" <i>Nature</i> <u>356</u> : 63-66;
	DP	Yurochko et al. (1992) "Integrins as a Primary Signal Transduction Molecule Regulation Monocyte Immediate-Early Gene Induction" <i>Proc. Natl. Acad. Sci.</i> <u>89</u> : 9034-9038;
	DQ	Ziegler and Eisenbarth (1990) "Multiple Target Antigens in Pre-Type I Diabetes: Implications for Prediction" <i>Horm. Res.</i> <u>33</u> : 144-150;
	DR	Ziegler et al. (1990) "Predicting Type I Diabetes" <i>Diabetes Care</i> <u>13</u> : 762-765;
	DS	Ziegler et al. (1990) "Type I Diabetes: Polygenic Inheritance, Multiple Autoantigens and 'Dual' Parameter Prediction" <i>J. Autoimmun.</i> <u>3</u> (Suppl. 1): 69-74;
✓	DT	Zielasek et al. (1989) "The Potentially Simple Mathematics of Type I Diabetes" <i>Clin. Immunol. Immunopathol.</i> <u>52</u> : 347-365.
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## FOREIGN PATENT DOCUMENTS

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO

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<i>Su</i>	EO	Bowman, et al. (1994) "Prevention of Diabetes in the NOD Mouse: Implications for Therapeutic Intervention in Human Disease" <i>Immunology Today</i> <u>15</u> (3):115-120.
	EP	Lampeter, et al. (1989) "Lessons From the NOD Mouse for the Pathogenesis and Immunotherapy of Human Type 1 (Insulin-Dependent) Diabetes Mellitus" <i>Diabetologia</i> <u>32</u> :703-708.
	EQ	Pozzilli, et al. (1993) "NOD Mouse Colonies Around the World - Recent Facts and Figures" <i>Immunology Today</i> <u>14</u> (5):193-196.
	ER	(1995)"Monoclonal Antibodies and Cancer Therapy: The Next Decade" <i>J. Nat. Cancer Inst.</i> <u>87</u> (22):1658-1660
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Jakubowski, et al (1995) "Vascular Cell Adhesion Molecule-Ig Fusion Protein Selectively Targets Activated  $\alpha_4$ -Integrin Receptors in Vivo *J. Immunol.* **155**:938-946

\*EXAMINER\*

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